

Eurocondense five

Floor standing boiler

Manufactured to the latest ISO standards, the Eurocondense four uses tried and tested technology to provide efficient heating for buildings of all sizes. A range of controls are available, for easy integration with new or existing heating systems.



Features

Lightweight aluminium heat exchanger.

Top hydraulic and flue connections.

Compact dimensions and small footprint.

Built in boiler control.

Controls can be programmed to work with solar thermal, biomass and buffer tanks.

Supplied with LMS 14 (with Modbus Interface)

Benefits

For reliable, highly efficient heat transfer.

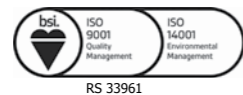
Easier to connect and less space needed for working access.

Requires less space for installation.

User friendly control panel includes operation status, weather compensation, timer for heating and DHW, fault diagnostics and, where relevant, cascade operation.

Sustainable, energy efficient, solution for a wide range of applications.

For connection to Building Management Systems via BACnet or KNX



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Specification

Performance	Fuel Type		EC five 125	EC five 170	EC five 215	EC five 260	EC five 300
Output @ 80 / 60°C	NG	kW	121.6	165.8	210.1	254.5	294
Output @ 50 / 30°C	NG	kW	133.1	181.3	229.6	278.1	321.3
Input (gross) maximum	NG	kW	138.8	188.7	238.6	288.6	333
Output @ 80 / 60°C	LPG	kW	121.6	165.8	210.1	254.5	294.3
Output @ 50 / 30°C	LPG	kW	133.1	181.3	229.6	278.1	322.1
Input (gross) maximum	LPG	kW	138.7	188.7	238.6	288.6	333

Efficiency	Value (%)		EC five 125	EC five 170	EC five 215	EC five 260	EC five 300
Efficiency @ 50 / 30°C – 100% load % gross			95.9	96.1	96.2	96.4	96.5
Efficiency @ 50 / 30°C – 30% load % gross			97.4	97.5	97.4	97.5	97.4
Current building regulations – Part L2 seasonal efficiency % gross			97.1	97.2	97.2	97.3	97.2

Gas			EC five 125	EC five 170	EC five 215	EC five 260	EC five 300
Gas consumption (natural gas)	m ³ /h		12.75	17.35	21.45	26.53	30.6
Gas consumption (LPG)	kg/h		9.7	13.2	16.7	20.2	23.3
Inlet gas pressure (natural gas-G20)	mbar		18 - 25				
Inlet gas pressure (LPG-G31)	mbar		37				
Gas connection size	inches		1	1½	1½	1½	1½
Gas connection type	threads		Male threads				

Flue			EC five 125	EC five 170	EC five 215	EC five 260	EC five 300
Flue gas volume @ 80 / 60°C (NG)m ³ /h@STP			172.2	234.2	296.2	358.3	413.4
Flue gas volume @ 50 / 30°C (NG)m ³ /h@STP			157.3	214	271	327.8	378.3
Flue gas volume @ 80 / 60°C (LPG)m ³ /h@STP			149.1	202.9	256.5	310.3	358
Flue gas volume @ 50 / 30°C (LPG)m ³ /h@STP			136.2	185.4	234.7	283.9	327.6
Max flue gas pressure @ outlet	Pa		100				

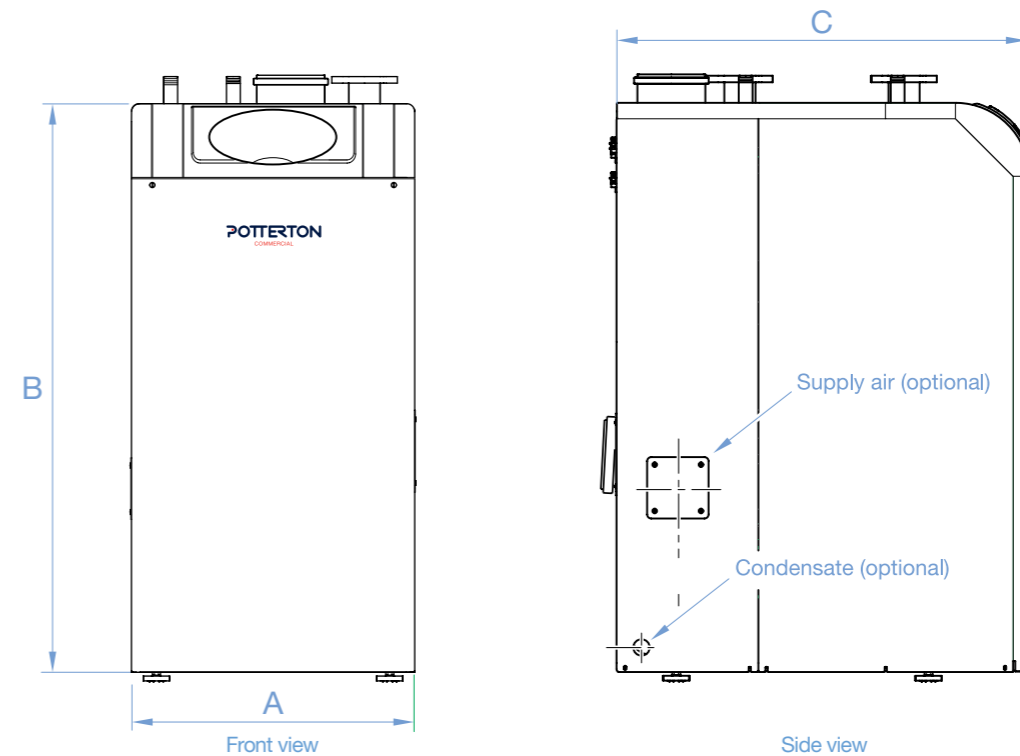
Hydraulic			EC five 125	EC five 170	EC five 215	EC five 260	EC five 300
Water flow rate @ 11°C ΔT	l/s		2.65	3.61	4.57	5.54	6.4
Water flow rate @ 20°C ΔT	l/s		1.46	1.98	2.51	3.05	3.52
Hydraulic resistance @ 11°C ΔT	kPa		9	11	12.1	12.7	12.9
Hydraulic resistance @ 20°C ΔT	kPa		2.8	3.4	3.7	3.9	4
Water content	litres		29	34	38	45	53
Flow & return connection size	mm		DN65 PN6				
Flow & return connection type			Flange				
Flue connection size	mm		160	160	200	200	200
Max boiler operating pressure	bar		6				
Min boiler operating pressure	bar		1				
Maximum flow temperature	°C		85				

General			EC five 125	EC five 170	EC five 215	EC five 260	EC five 300
Appliance dry weight	kg		205	240	285	314	344
NO _x level (dry @ 0% O ₂) EN15502	mg/kWh		38	38	39	39	39
CO ₂ content – natural gas	%		9.3				
CO ₂ content – LPG	%		11				
Noise levels @ 1 metre from unit (room-sealed)	dB(A)		66	67	67	67	68
High level ventilation (BS 6644)*	cm ²		250	340	430	520	600
Low level ventilation (BS 6644)*	cm ²		500	680	860	1040	1200

Electrical			EC five 125	EC five 170	EC five 215	EC five 260	EC five 300
Power consumption	W		170	200	330	350	410
Nominal supply voltage	V / Hz		230 V~ / 50 Hz				

Dimensions

Eurocondense five 125-300kW



			EC five 125	EC five 170	EC five 215	EC five 260	EC five 300
Dimension A	Width	mm	692	692	692	692	692
Dimension B	Height	mm	1389	1389	1389	1389	1389
Dimension C	Depth	mm	1008	1008	1171	1264	1357
Clearances	Front	mm	1000	1000	1000	1000	1000
	Left hand*	mm	500	500	500	500	500
	Top	mm	500	500	500	500	500
	Back	mm	500	500	500	500	500
	Right hand*	mm	500	500	500	500	500

*DUO cascade units can be installed 50mm from each other, only on the L hand/R hand dimensions, otherwise the clearances in the above table must be adhered to.